

SAZ Server Install Guide

Install server software

- Generate and install host cert and keys
 - <https://twiki.grid.iu.edu/twiki/bin/view/ReleaseDocumentation/GetGridCertificates>
- Install pacman
 - http://vdt.cs.wisc.edu/releases/1.10.1/installation_quick.html

<The following will be deprecated once package dependencies and scripts have been included in the saz server pacman install file>

- Install JDK-1.6
 - pacman -get http://vdt.cs.wisc.edu/vdt_1101_cache:JDK-1.6
- Install VOMS-Client
 - pacman -get http://vdt.cs.wisc.edu/vdt_1101_cache:VOMS-Client
- Install MySQL
 - pacman -get http://vdt.cs.wisc.edu/vdt_1101_cache:MySQL
- Install sazserver
 - pacman -get http://fermigrid1.fnal.gov/files/saz:sazserver-v2_0_0
- Source VDT setup.sh

Configure server

Edit files

- Edit \$VDT_LOCATION/sazserver/install/setup.[c]sh and set the correct JAVA_HOME variable
 - set JAVA_HOME=\$VDT_LOCATION/jdk1.6
- Edit \$VDT_LOCATION/sazserver/conf/hibernate.cfg.xml
 - Set connection.url if different than local host
 - Set connection.username if different than 'sazdbuser'
 - Set connection.password if different than '12345'
- Edit \$VDT_LOCATION/sazserver/log/log4j.saz.properties
 - Set log4j.appender.R.File to \$VDT_LOCATION/sazserver/log/sazserver.log

Prepare Database

- Enable and start mysql
 - vdt-register-service --name mysql --enable
 - vdt-control --on mysql
- Prepare saz database
 - cd \$VDT_LOCATION/sazserver/setup
 - sh ./createDB

Insert and enable startup rc script

- Edit \$VDT_LOCATION/sazserver/bin/sazserver
 - set VDT_LOCATION to the correct path
 - change all instances of saz/server to sazserver
- cp \$VDT_LOCATION/sazserver/bin/sazserver /etc/init.d
- chkconfig sazserver on

SAZ Server Upgrade Guide

Uninstall old version of sazserver

```
pacman -remove sazserver
```

Install new version of sazserver described above

SAZ Client Install Guide for CE and WN Administrators

Install client software

- Install CE or WN software, as appropriate:
 - <https://twiki.grid.iu.edu/twiki/bin/view/ReleaseDocumentation/ComputeElementInstall>
 - <https://twiki.grid.iu.edu/twiki/bin/view/ReleaseDocumentation/WorkerNodeClient>

<The following will be deprecated once package dependencies and scripts have been included in the saz server pacman install file>

- Install JDK-1.6
 - pacman -get http://vdt.cs.wisc.edu/vdt_1101_cache:JDK-1.6
- Install sazclient
 - pacman -get http://fermigrid1.fnal.gov/files/saz:sazclient-v2_0_0

Configure client

- Edit /etc/grid-security/gsi-authz.conf:
 - globus_authorization <VDT_LOCATION>/sazclient/lib/libSAZ-gt3.2_gcc32dbg globus_saz_access_control_callout
 - <VDT_LOCATION> must be the absolute path, i.e., /usr/local/bin
- Edit \$VDT_LOCATION/sazclient/conf/sazc.conf
 - Set SAZ_SERVER_HOST, SAZ_SERVER_PORT, and SAZ_SERVER_DN values appropriately.

Test the Client

- Stand alone test case:
 - Generate a voms-proxy grid certificate:
 - i.e., voms-proxy-init -voms fermilab:/fermilab
 - Run the client:
 - sazclient /tmp/x509up_u\${UID}
 - To monitor the server, watch the sazserver.log file:
 - tail -f \$VDT_LOCATION/sazserver/log/sazserver.log
- Globus Gatekeeper test case:
 - generate a voms-proxy grid certificate
 - submit job to CE:
 - i.e., globus-job-run fermigrid1 /usr/bin/id
 - To monitor authorization progress on the gatekeeper watch the globus-gatekeeper log file:
 - tail -f \$VDT_LOCATION/globus/var/globus-gatekeeper.log

SAZ Client Install Guide for SE Administrators

Installation

Use VDT

Configuration
Testing

SAZ Client Upgrade Guide

Uninstall old version of sazclient

pacman -remove sazclient

Install new version of sazclient described above